

Form PTO-1449

(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

041673-2045

SERIAL NO.

09/788,188

APPLICANT

Mark Tuszynski

FILING DATE

02/16/2001

GROUP ART UNIT

1653-1632

INFORMATION DISCLOSURE CITATION

OCT 15 2001

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
SL	A1	4,338,397	07/06/1982		435	68	
	A2	4,757,013	07/12/1988		435	172.3	
	A3	5,169,762	12/08/1992		435	69.1	
	A4	5,235,043	08/10/1993		530	399	
	A5	5,364,769	11/15/1994		435	69.1	
	A6	5,488,099	01/30/1996		530	399	
	A7	5,608,036	03/04/1997		530	394	
SL	A8	6,090,781	07/18/2000		514	12	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
	A9	19911175976-A		Japan				
	A10	1993189770-A4		Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SL	A11	Berkemeier, et al., "Neurotrophin-5: A Novel Neurotrophic Factor That Activates trk and trkB," <i>Neuron</i> , 7:857-866 (1991)					
	A12	Blesch, et al., "Ex Vivo Gene Therapy for Alzheimer's Disease and Spinal Cord Injury," <i>Clin. Neurosci.</i> , 3:268-274 (1996)					
	A13	Bolivar, et al., "Construction and Characterization of New Cloning Vehicles," <i>Gene</i> , 2:95-113 (1977)					
	A14	Dauber-Osguthorpe, et al., "Conformational analysis of peptide surrogates," <i>Int. J. Pep. Prot. Res.</i> , 38:357-377 (1991)					
SL	A15	Ernfors, et al., "Molecular cloning and neurotrophic activities of a protein with structural similarities to nerve growth factor: Developmental and topographical expression in the brain," <i>Proc. Natl. Acad. Sci. USA</i> , 87:5454-5458 (1990)					

EXAMINER

Shin-Lin Chen

DATE CONSIDERED

6-11-03

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION OCT 15 2001 (Use several sheets if necessary)		OCT 15 2001 PATENT AND TRADEMARK OFFICE		APPLICANT Mark Tuszynski	
				FILING DATE 02/16/2001	GROUP ART UNIT 1632
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
4u	A16	Guichard, et al., "Synthesis and Antigenic Properties of Reduced Peptide Bond Pseudopeptide Analogs of a Histone H3 Hexapeptide," <i>Peptide Research</i> , 7:308-321 (1994) •			
	A17	Gutierrez, et al., "A peptide that mimics the carboxy-terminal domain of SNAP-25 blocks Ca ²⁺ - dependent Exocytosis in chromaffin cells," <i>FEBS Letters</i> , 372:39-43 (1995) •			
	A18	Hallböök, et al., "Evolutionary Studies of the Nerve Growth Factor Family Reveal a Novel Member Abundantly Expressed in Xenopus Ovary," <i>Neuron</i> , 6:845-858 (1991) •			
	A19	Hefti, et al., "Nerve Growth Factor and Alzheimer's Disease," <i>Ann Neurol.</i> , 20:275-281 (1986) •			
	A20	Hess, et al., "Cooperation of Glycolytic Enzymes," <i>J. Adv. Enzyme Reg.</i> , 7:149-167 (1968) •			
	A21	Heymach, et al., "The Regulated Secretion and Vectorial Targeting of Neurotrophins in Neuroendocrine and Epithelial Cells," <i>J. Biol. Chem.</i> , 271:25430-25437 (1996) •			
	A22	Hitzeman, et al., "Isolation and Characterization of the Yeast 3-Phosphoglycerokinase Gene (PGK) by an Immunological Screening Technique," <i>J. Biol. Chem.</i> , 255:2073 (1980) •			
	A23	Hohn, et al., "Identification and characterization of a novel member of the nerve growth factor/brain-derived Neurotrophic factor family," <i>Nature</i> , 344:339 (1990) •			
	A24	Holland, et al., "Isolation and Identification of Yeast Messenger Ribonucleic Acids Coding for Enolase, Glyceraldehyde-3-phosphate Dehydrogenase, and Phosphoglycerate Kinase," <i>Biochemistry</i> , 17:4900 (1978) •			
	A25	Ip, et al., "Mammalian neurotrophin-4: Structure, chromosomal localization, tissue distribution, and receptor specificity," <i>Proc. Natl. Acad. Sci. USA</i> , 89:3060-3064 (1992) •			
	A26	Jones, et al., "Molecular cloning of a umna gene that is a member of the nerve growth factor family," <i>Proc. Natl. Acad. Sci. USA</i> , 87:8060-8064 (1990) •			
	A27	Kaisho, et al., "Cloning and expression of a cDNA encoding a novel human neurotrophic factor," <i>FEBS Lett.</i> , 266:187 (1990) •			
	A28	King, et al., "Structure-Immunogenicity Relationship of Melittin, Its Transposed Analogues, and D-Melittin," <i>J. Immunol.</i> , 153:1124-1131 (1994) •			
	A29	Leibrock, et al., "Molecular cloning and expression of brain-derived neurotrophic factor," <i>Letters to Nature</i> , 341:149-152 (1989) •			
4u	A30	Maisonpierre, et al., "Neurotrophin-3: A Neurotrophic Factor Related to NGF and BDNF," <i>Science</i> , 24:1446-1451 (1990) •			

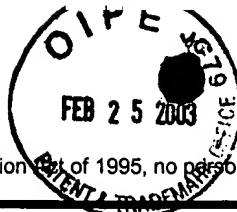
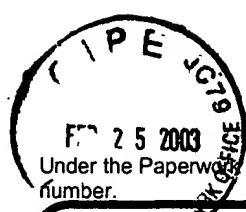
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Mark Tuszynski	
				FILING DATE 02/16/2001	GROUP ART UNIT 1653-1632
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
4u	A31	Merrifield, et al., "Design and synthesis of antimicrobial peptides," <i>Ciba Foundation Symposium</i> , 186:5-20 (1994) o			
	A32	Meyer, et al., "Synthesis Using a Fmoc-Based Strategy and Biological Activities of Some Reduced Peptide Bond Pseudopeptide Analogues of Dynorphin A ¹ ," <i>J. Med. Chem.</i> , 38:3462-3468 (1995) o			
	A33	Rosenthal, et al., "Primary Structure and Biological Activity of a Novel Human Neurotrophic Factor," <i>Neuron</i> , 4:767 (1990) a			
	A34	Stewart, et al., "Laboratory Techniques in Solid Phase Peptides Synthesis," <i>Freeman</i> , San Francisco, pp. 27-35 (1969) o			
	A35	Tuszynski, et al., "Gene therapy in the adult primate brain: intraparenchymal grafts of cells genetically modified to produce nerve growth factor prevent cholinergic neuronal degeneration," <i>Gene Therapy</i> , 3:305-314 (1996) o			
	A36	Tuszynski, et al., "Recombinant Human Nerve Growth Factor Infusions Prevent Cholinergic Neuronal Degeneration in the Adult Primate Brain," <i>Ann. Neurol.</i> , 30:625-636 (1991) o			
	A37	Ullrich, "Human β -nerve growth factor gene sequence highly homologous to that of mouse," <i>Nature</i> , 303:821-825 (1983) a			
	A38	Urfer, et al., "The binding epitopes of neurotrophin-3 to its receptors trkC and gp75 and the design of a multifunctional human neurotrophin," <i>EMBO J.</i> , 13(24):5896-909 (1994) o			
	A39	Wade, et al., "All-D amino acid-containing channel-forming antibiotic peptides," <i>Proc. Natl. Acad. Sci. USA</i> , 87:4761-4765 (1990) o			
4u	A40	Whittemore, et al., "Rat β -Nerve Growth Factor Sequence and Site of Synthesis in the adult Hippocampus," <i>J. Neuro. Res.</i> , 20:403-410 (1988) f			

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PTO/SB/08 (08-00) #12

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number	09/788,188
Filing Date	02/16/2001
First Named Inventor	Mark Tuszynski
Group Art Unit	1653
Examiner Name	
Attorney Docket Number	041673-2045

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
SL	A1	Linden and Kaushansky, "The Glycan Domain of Thrombopoietin Enhances Its Secretion." Biochemistry, 39:3044-3051, 2000.	
SL	A2	Seidah et al., "Cellular Processing of the Nerve Growth Factor Precursor by the Mammalian Pro-Protein Convertases." Biochemistry Journal, 314: 951-960, 1996.	

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